

卷之三

5'	AGC	TCG	AGG	GAC	GGC	ACC	ATG	GAG	GAC	TCC	GAG	GGC	GTG	CAG	AGG	GCC	ACA	GCG	55
L	I	E	Q	R	L	A	Q	E	E	N	E	K	L	R	G	D	-	-	109
CTC	ATC	GAG	CAG	CGG	CTG	GCA	CAG	GAG	GAG	AAT	GAG	AAA	CTC	CGA	GGA	GAC	-	-	-
ACA	CGC	CAG	AAG	CTG	CCC	ATG	GAC	TTG	CTG	GTG	CTG	GAG	GAT	GAG	AGG	CAC	CAC	-	163
T	R	Q	K	L	P	M	D	L	L	V	L	E	D	E	K	H	H	-	-
GGG	GCT	CAG	AGT	GCA	GCC	CTG	CAG	AAG	GTG	AAG	GGC	CAA	GAG	GGG	CAC	GTG	CGC	AAG	217
G	A	Q	S	A	A	L	Q	K	V	K	G	Q	E	R	V	R	K	-	-
ACG	TCC	CTG	GAC	CTG	CGG	CGG	GAG	ATC	ATC	GAT	GTG	GGC	GGG	ATC	CAG	AAC	CTC	-	271
T	S	L	D	L	R	R	E	I	I	D	V	G	G	I	Q	N	L	-	325
ATC	GAG	CTG	CGG	AAG	AAA	CGC	AAG	CAG	AAG	AAG	CGG	GAC	GCT	CTG	GCC	GCC	TCG	-	-
T	F	I	R	K	K	R	K	O	K	K	R	D	A	L	A	A	S	-	-

FIGURE 1A

## YDYYTGTGCGGGCGCG

CAT	GAG	CCG	CCC	CCA	GAG	CCC	GAG	GAG	ATC	ACT	GGC	CCT	GTG	GAT	GAG	GAC	
H	E	P	P	P	E	P	E	E	I	T	G	P	V	D	E	T	
TTC	CTG	AAA	GCT	GCG	GAG	GGG	AAA	ATG	AAG	GTC	ATT	GAG	AAG	TTC	CTG	GCT	
F	L	K	A	A	V	E	G	K	M	K	V	I	E	K	F	L	
GAC	GGG	GGG	TCA	GCC	GAC	ACG	TGC	GAC	CAG	TTC	CGT	CGG	ACA	GCA	CTG	CAC	CGA
D	G	G	S	A	D	T	C	D	Q	F	R	R	T	A	L	H	R
GCT	TCC	CTG	GAA	GCG	CAC	ATG	GAA	ATC	CTG	GAG	AAG	CTT	CTA	GAT	AAT	GGG	GCC
A	S	L	E	G	H	M	E	I	L	E	K	L	L	D	N	G	A
ACT	GTG	GAC	TTC	CAG	GAT	CGG	CTG	GAC	TGC	ACA	GCC	ATG	CAT	TGG	GCC	TGC	CGC
T	V	D	F	Q	D	R	L	D	C	T	A	M	H	W	A	C	R
GGG	GGC	CAC	TTA	GAG	GTG	AAA	CTT	CTG	CAA	AGC	CAT	GGA	GCA	GAC	ACC	AAT	
G	G	H	L	E	V	V	K	L	L	Q	S	H	G	A	D	T	N

FIGURE 1B

## WILFRED E. SASSO

GTG AGG GAT AAG CTG CTG AGC ACC CCG CTG CAC GTG GCA GTC CGG CGG ACA GGG CAG	658	667	676	685	694	703
V R D K L L S T P L H V A V R T G Q	712	721	730	739	748	757
V E I V E H F L S L G L E I N A R D	766	775	784	793	802	811
R E G D T A L H D A V R L N R Y K I	820	829	838	847	856	865
I K L L L L H G A D M M T K N L A G	874	883	892	901	910	919
K T P T D L V Q L W Q A D T R H A L	928	937	946	955	964	973
E H P E P G A E H N G L E G P N D S	GAG CAT CCT GAG CCG GGG GCT GAG CAT AAC GGG CTG GAG GGG CCT AAT GAT AGT					

FIGURE 1C

图 1D: 翻译起始位点

GGG	CGA	GAG	ACC	CCT	CAG	CCT	GTG	CCA	CAG	TGA	ATG	CGT	GCC	CCA	GCC	CAG
G	R	E	T	P	Q	P	V	P	A	Q						
1036		1045				1054				1063		1072				1081
CCA	GCT	ACC	CAG	CCC	CTC	TCT	GTG	TGC	AGC	CGG	AGG	GTC	CTA	AGA	ATG	GCT
1090		1099				1108				1117		1126				1135
GGA	GCT	AAC	TGA	GGG	CCC	AGC	CTT	TTT	TCT	GCA	TGA	TCC	AGG	AGC	ACA	TAC
1144		1153														
AAA	CTA	CCA	CAA	TAA	AAA	AGC	TG	3'								

FIGURE 1D

1	S M E D S E A V Q R A T A L I E Q R L A	5578191CDI
1	- M E G P E A V Q R A T E L I E Q R L A	g9501360
1	- M E G P E A V Q R A T E L I E Q R L A	g5420272
21	Q E E E N E K L R G D T R Q K L P M D L	5578191CDI
20	Q E E E T E K L R R S A P G K L S M D M	g9501360
20	Q E E E T E K L R R S A P G K L S M D M	g5420272
41	I V L E D E K H H G A Q S A A L Q K V K	5578191CDI
40	L V L E E E K R L G V Q S P A L Q K V K	g9501360
40	L V L E E E K R L G V Q S P A L Q K V K	g5420272
61	G Q E R V R K T S L D L R R E I I D V G	5578191CDI
60	G Q E R V R K T S L D L R R E I I D V G	g9501360
60	G Q E R V R K T S L D L R R E I I D V G	g5420272
81	G I Q N L I E L R K K R K Q K K R D A L	5578191CDI
80	G I Q N L I E L R K K R K Q K K R D A L	g9501360
80	G I Q N L I E L R K K R K Q K K R D A L	g5420272

FIGURE 2A

## TENTATIVE EGGSSpec

101	A A S H E P P P E P E I T G P V D E	5578191CD1
100	A A A Q E P P P E P E I T G P V N E E	g9501360
100	A A A Q E P P P E P E I T G P V N E E	g5420272
121	T F L K A A V E G K M K V I E K F L A D	5578191CD1
120	T F L K A A V E G K M K V I D K Y L A D	g9501360
120	T F L K A A V E G K M K V I D K Y L A D	g5420272
141	G G S A D T C D Q F R R T A L H R A S L	5578191CD1
140	G G S A D T C D E F R R T A L H R A S L	g9501360
140	G G S A D T C D E F R R T A L H R A S L	g5420272
161	E G H M E I L E K L L D N G A T V D F Q	5578191CD1
160	E G H M E I L E K L L E N G A T V D F Q	g9501360
160	E G H M E I L E K L L E N G A T V D F Q	g5420272
181	D R L D C T A M H W A C R G G H L E V V	5578191CD1
180	D R L D C T A M H W A C R G G H L E V V	g9501360
180	D R L D C T A M H W A C R G G H L E V V	g5420272

FIGURE 2B

201	K L L Q S H G A D T N V R D K L L S T P	5578191CDI
200	R L L Q S R G A D T N V R D K L L S T P	99501360
200	R L L Q S R G A D T N V R D K L L S T P	95420272
221	L H V A V R T G Q V E I V E H F L S L G	5578191CDI
220	L H V A V R T G H V E I V E H F L S L G	99501360
220	L H V A V R T G H V E I V E H F L S L G	95420272
241	L E I N A R D R E G D T A L H D A V R I	5578191CDI
240	L D I N A K D R E G D S A L H D A V R L	99501360
240	L D I N A K D R E G D S A L H D A V R L	95420272
261	N R Y K I I K L L L H G A D M M T K N	5578191CDI
260	N R Y K I I K L L L H G A D M M A K N	99501360
260	N R Y K I I K L L L H G A D M M A K N	95420272
281	L A G K T P T D L V Q L W Q A D T R H A	5578191CDI
280	L A G K T P T D L V Q L W Q A D T R H A	99501360
280	L A G K T P T D L V Q L W Q A D T R H A	95420272

FIGURE 2C

301	L	E	H	P	E	P	G	A	E	H	N	G	L	E	G	P	N	D	S	G	5578191CD1
300	L	E	H	P	E	P	E	S	E	Q	N	G	L	E	R	P	-	G	S	G	g9501360
300	L	E	H	P	E	P	E	S	E	Q	N	G	L	E	R	P	-	G	S	G	g5420272

321	R	E	T	P	Q	P	V	P	A	Q	5578191CD1
319	R	E	T	P	Q	P	I	P	A	Q	g9501360
319	R	E	T	P	Q	P	I	P	A	Q	g5420272

FIGURE 2D

## Tissue Distribution

Tissue Category	Clone Count	Found in	Abs Abund	Pct Abund
Cardiovascular System	266190	4/68	4	0.0015
Connective Tissue	144645	0/47	0	0.0000
Digestive System	501101	1/148	1	0.0002
Embryonic Structures	106713	0/21	0	0.0000
Endocrine System	225386	2/53	2	0.0009
Exocrine Glands	254635	0/64	0	0.0000
Genitalia, Female	427284	0/106	0	0.0000
Genitalia, Male	448207	3/114	7	0.0016
Germ Cells	38282	0/5	0	0.0000
Hemic and Immune System	680277	0/159	0	0.0000
Liver	109378	0/35	0	0.0000
Musculoskeletal System	159280	10/47	24	0.0151
Nervous System	955753	4/198	5	0.0005
Pancreas	110207	0/24	0	0.0000
Respiratory System	390086	1/93	2	0.0005
Sense Organs	192556	0/8	0	0.0000
Skin	72292	0/15	0	0.0000
Stomatognathic System	12923	0/10	0	0.0000
Unclassified/Mixed	120926	1/13	1	0.0008
Urinary Tract	279062	3/64	5	0.0018
<b>Totals</b>	<b>5321883</b>	<b>29/1292</b>	<b>51</b>	<b>0.0000</b>

FIGURE 3A

Found in:

Library ID	Clone Count	Library Description	Abs	Pct
			Abund	Abund
MUSCN0T10	3302	muscle, gluteal, mw/clear cell SAR, 43F	11	0.3331
MUSLTD01	804	muscle, thigh, mw/liposAR, 58M	1	0.1244
MUSCN0T02	2541	muscle, psoas, 12M	3	0.1181
MUSLN0T01	3306	muscle, tibial, aw/thrombosis, 41F	2	0.0605
MUSLTDR02	4002	muscle, thigh, mw/liposAR, 58M, RP	2	0.0500
MUSCN0M01	2716	muscle, skeletal, mw/malignant hyperthermia	1	0.0368
MUSCDIN06	3043	muscle, thigh, ALS, 74F, NORM	1	0.0329
MUSCDRM01	3137	muscle, calf, mw/gangrene, aw/atherosclerosis	1	0.0319
MUSCDIT06	3192	muscle, skeletal, aw/Krabbe, 11mF	1	0.0313
MUSCN0N07	6491	muscle, forearm, mw/intramuscular hemangioma	1	0.0154

FIGURE 3B

FIGURE 4A

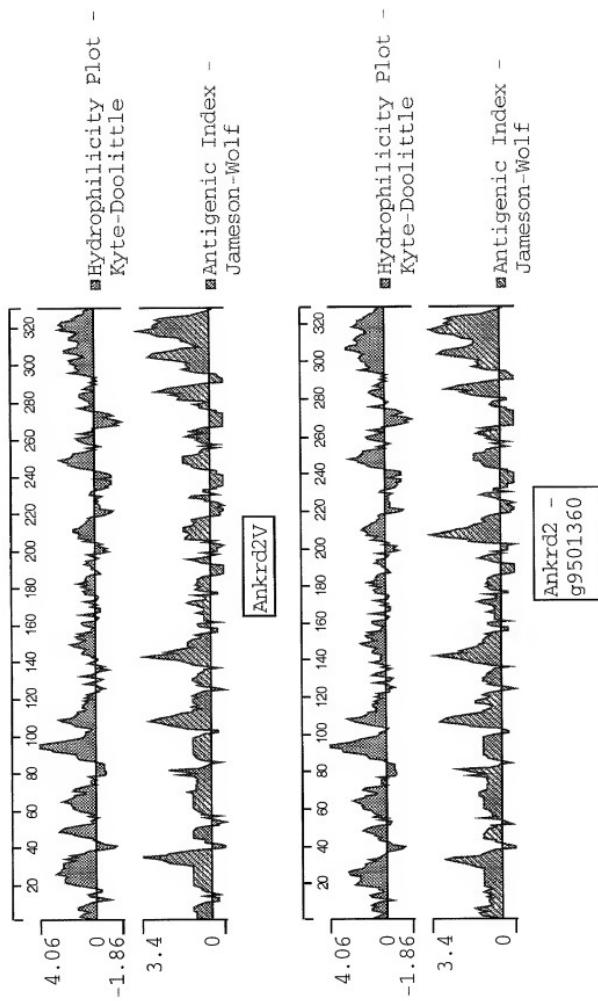


FIGURE 4B

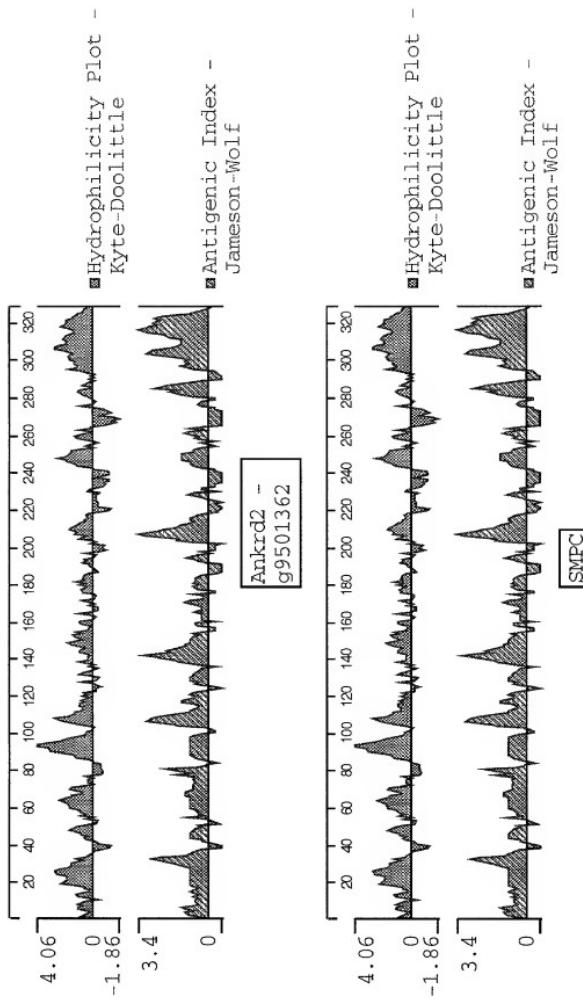


FIGURE 4B